

Converting Colors

$Y_{xy}(17.8249, 0.2747, 0.3364)$

Have a look what the booklet for
Yxy(17.8249, 0.2747, 0.3364)
contains.

Yxy(17.8220, 0.2744, 0.3352)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.8220, 0.2744, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	577C79
RGB	87, 124, 121
RGB Percent	34%, 49%, 47%
CMY	0.6588, 0.5137, 0.5255
CMYK	0.30, 0.00, 0.02, 0.51
HSL	175°, 18%, 41%
HSV	175°, 30%, 49%
XYZ	14.5894, 17.8220, 20.7569
YIQ	112.5950, -21.0890, -8.7770

Conversions

Conversions Part 2

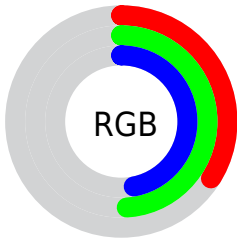
Format	Color
R_{YB}	87, 106, 124
Decimal	5733497
CIE _{Lab}	49.28, -13.66, -2.55
CIE _{LCh}	49, 13.901, 190.591
Yxy	17.8220, 0.2744, 0.3352
Android (android.graphics.Color)	4283923577 (0xFF577C79)
YUV	112.5950, 4.1437, -22.4468
Hunter-Lab	42.2161, -12.1908, 0.3995

Details

The Yxy color **17.8220, 0.2744, 0.3352** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8417, 0.3701, 0.3230**, and the grayscale version is **16.3803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8647, 0.2834, 0.3348**, and **5.9445, 0.2572, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **17.2515, 0.2635, 0.3376**, and if you desaturate by 10%, it is **18.4967, 0.2864, 0.3330**.

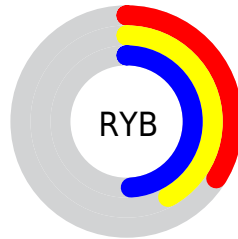
Distribution



Red (34%)

Green (49%)

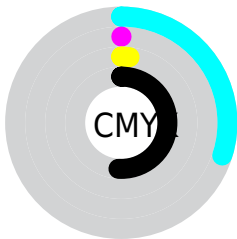
Blue (47%)



Red (34%)

Yellow (42%)

Blue (49%)

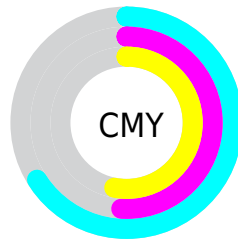


Cyan (30%)

Magenta (0%)

Yellow (2%)

Black (51%)



Cyan (66%)

Magenta (51%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8220, 0.2744, 0.3352 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 17.8220, 0.2744, 0.3352 by changing the saturation by 10% instead.

■ 17.8220, 0.2744,
0.3352

■ 17.8220, 0.2744,
0.3352

■ 239.8658, 0.2965,
0.3318

■ 10.8223, 0.2676,
0.3361

■ 39.7338, 0.2833,
0.3339

■ 5.9475, 0.2579,
0.3374

■ 55.4146, 0.2863,
0.3334

■ 2.8132, 0.2430,
0.3392

■ 74.7580, 0.2888,
0.3330

■ 1.0350, 0.2132,
0.3433

■ 98.1482, 0.2909,
0.3327

■ 0.0000, 0.0000,
0.0000

■ 125.9697, 0.2926,
0.3324

158.6069, 0.2941,

0.3322

196.4441, 0.2953,
0.3320

■ 17.8220, 0.2744,
0.3352

■ 17.8220, 0.2744,
0.3352

■ 17.2515, 0.2635,
0.3376

■ 18.4967, 0.2864,
0.3330

■ 16.7779, 0.2541,
0.3401

■ 19.2784, 0.2994,
0.3309

■ 16.3961, 0.2462,
0.3427

■ 20.1723, 0.3129,
0.3290

■ 16.0999, 0.2401,
0.3453

■ 21.1827, 0.3270,
0.3272

■ 15.8822, 0.2357,
0.3480

■ 22.3137, 0.3411,
0.3257

■ 15.7347, 0.2330,
0.3506

■ 23.5691, 0.3553,
0.3243

■ 15.6303, 0.2315,
0.3532

■ 24.9528, 0.3693,
0.3231

■ 15.6286, 0.2315,
0.3533

■ 26.4681, 0.3830,
0.3221

■ 28.1185, 0.3962,
0.3212

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.8220, 0.2959, 0.3592



17.8220, 0.2744, 0.3352



17.8220, 0.2631, 0.3105

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.8220, 0.2744, 0.3352



17.8220, 0.3012, 0.2882



17.8220, 0.3631, 0.3638

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17.8220, 0.2744, 0.3352



11.8417, 0.3701, 0.3230

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.8220, 0.3650, 0.3438



17.8220, 0.2744, 0.3352



17.8220, 0.3284, 0.3014

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.8220, 0.2744, 0.3352



17.8220, 0.2781, 0.2847



17.8220, 0.3521, 0.3213



17.8220, 0.3472, 0.3755

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17.8220, 0.2744, 0.3352



17.8220, 0.2626, 0.2974



17.8220, 0.3521, 0.3213



17.8220, 0.3654, 0.3578

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17.8227, 0.2744, 0.3352



34.0158, 0.3002, 0.3308



17.2823, 0.3125, 0.4105



7.9684, 0.2985, 0.3310



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.8227, 0.2744, 0.3352



30.6386, 0.2666, 0.3369



14.3317, 0.2681, 0.2956



4.5071, 0.3004, 0.3307



15.8873, 0.2315, 0.3533



75.7243, 0.2319, 0.3547

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.8417, 0.3701, 0.3230



18.2773, 0.3896, 0.3216



14.5596, 0.3667, 0.3601



4.0199, 0.3265, 0.3273



4.3785, 0.6267, 0.3226



20.8321, 0.6334, 0.3263

Previews

White Background



This preview shows how the Yxy color 17.8220, 0.2744, 0.3352 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.8220, 0.2744, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

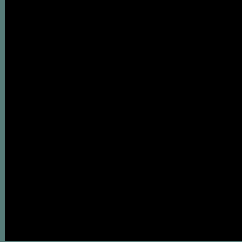
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8220, 0.2744, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 17.8220, 0.2744, 0.3352.



This preview shows how white text looks on a background with the Yxy color 17.8220, 0.2744, 0.3352.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17.8220, 0.2744, 0.3352

Protanopia

17.6737, 0.3166, 0.3290

Deuteranopia

17.6003, 0.3162, 0.3103



Tritanopia

17.7587, 0.2666, 0.3086

Trichromacy



Original Color

17.8220, 0.2744, 0.3352

Protanomaly

17.6275, 0.2991, 0.3310

Deuteranomaly

17.5072, 0.2995, 0.3191

Tritanomaly

17.8483, 0.2695, 0.3186

Monochromacy



Original Color

17.8220, 0.2744, 0.3352

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.9266, 0.2977, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8220, 0.2744, 0.3352 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(87, 124, 121)` looks like.

```
.text, #text, p{  
    color:rgb(87, 124, 121)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(87, 124, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 124, 121) }
```

Border

The CSS property to change the border of an element to Yxy 17.8220, 0.2744, 0.3352 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 124, 121) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(87, 124, 121) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(87, 124, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 124, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 124, 121);  
box-shadow:4px 4px 4px 4px rgb(87, 124,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8220, 0.2744, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 124, 121) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(87, 124,  
121) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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